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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,975	05/23/2006	Hiroichi Ishikawa	09792909-6686	1095
26263 SNR DENTON	7590 05/10/201 *US LLP	EXAMINER		
P.O. BOX 0610		SMITH, COURTNEY L		
CHICAGO, IL 60606-1080			ART UNIT	PAPER NUMBER
			2835	
			MAIL DATE	DELIVERY MODE
			05/10/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Comments	10/595,975	ISHIKAWA ET AL.				
Office Action Summary	Examiner	Art Unit				
	COURTNEY SMITH	2835				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 23 Fe	1) Responsive to communication(s) filed on 23 February 2011.					
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<u>, </u>	, 					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-25</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) 1-24 is/are allowed.						
6) Claim(s) is/are rejected.						
7)⊠ Claim(s) <u>25</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement					
Olaim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>23 May 2006</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☑ Some * c) ☐ None of:						
1. Certified copies of the priority documents	have been received.					
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	аст. приношон				

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DETAILED ACTION

Claim Objections

1. Claim 25, are objected to because of the following informalities: Regarding Claim 25; the method steps do not assert a control means so as to accomplish the vibration and/or reversed phases. Appropriate correction is required. Note: the claim is otherwise deemed allowable.

Allowable Subject Matter

2. Claim(s) 1-24 are allowed.

The following is an examiner's statement of reasons for allowance: Regarding Claim 1; A gas ejector including at least one vibrator, comprising: a plurality of ejecting sections arranged to eject a pulsating gas flow such that sound waves generated by the vibration of an upper portion of a vibrator and sound waves generated by a lower portion of the vibrator have the same wave form but reversed phases such that the sound waves weaken each other upon ejection from the ejector; and a first control unit which controls the frequency of the vibration of the vibrator. Regarding Claim 24; An electronic device including at least one heater and at least one vibrator, comprising: a plurality of ejecting sections arranged to eject a pulsating gas flow such that sound waves generated by the vibration of an upper portion of a vibrator and sound waves generated by a lower portion of [[a]] the vibrator have the same wave form but reversed phases such that the sound waves weaken each other upon ejection from the ejector; and

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control means for controlling the frequency of the vibration of the vibrator. Claim(s) 9, 15, and 19 are allowed (as indicated in the previous rejection). Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

3. Applicant's arguments filed 2/23/11 have been fully considered and are persuasive. Claims 1-24 are hereby allowed; assuming the English translations of foreign priority documents are submitted and fully supports the instant application. Regarding method claim 25; and objection has been raised; whereas the method steps shall assert a control means in association to the vibrator so as to accomplish the vibration and/or reversed phases.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to COURTNEY SMITH whose telephone number is (571)272-9094. The examiner can normally be reached on M-F 7:30 am-5 pm (1st Fri. off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayprakash Gandhi can be reached on 571-272-3740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/COURTNEY SMITH/ Examiner, Art Unit 2835